

CLAIMS

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1. Method for producing connecting plates (2) of
hydrostatic machines with the following method
5 steps

- Producing an extruded profile (44)
- Cutting the extruded profile (44) to
length into connecting plate-blanks
(45)
- 10 - Further processing of the connecting
plate-blanks (45) cut to length.

2. Method according to claim 1,

characterised in that

the extruded profile (44) is produced by continuous
15 casting or extruding.

3. Method according to claim 1 or 2,

characterised in that

the extruded profile (44) is produced at least partially from aluminium, iron or copper, or from an alloy with at least one of these metals.

4. Method according to any one of the preceding claims,

5 characterised in that

the cutting to length takes place by sawing, laser cutting, water jet cutting or by a burning out method.

5. Method according to any one of the preceding claims,

characterised in that

10 in cross-section, the contour of the extruded profile (44) and the contour of the connecting plate (2) are congruent.

6. Method according to any one of the preceding claims,

characterised in that

15 the extruded profile (44) is cut to length into at least two connecting plate-blanks (45).

7. Method according to any one of the preceding claims,

characterised in that

during further processing of the connecting plate-blanks
(45) cut to length from the extruded profile (44), a
5 pressure channel (16D), a suction channel (16S), a blind
bore (19), a groove (39) and/or a connection line (38)
are introduced into the connecting plate-blank (45).

8. Method according to any one of the preceding claims,

characterised in that

10 during further processing of the connecting plate-blanks
(45) cut to length from the extruded profile (44) the
connecting plate-blank (44) is deburred.

9. Connecting plate (1) of a hydrostatic machine,

characterised in that

15 the connecting plate (2) is produced from an extruded
profile (44), the connecting plate (2) being made from a
connecting plate-blank (45) which is cut off from the
extruded profile (44).

10. Connecting plate according to claim 9,

characterised in that

the connecting plate (2) is produced from an extruded
profile (44) which is produced by continuous casting or
5 extruding.

11. Connecting plate according to claim 9 or 10,

characterised in that

the connecting plate (2) is produced from an extruded
profile (44) which consists at least partially of alumi-
10 nium, iron or copper or from an alloy with at least one
of these metals.

12. Connecting plate according to any one of claims 9
to 11,

characterised in that

15 the connecting plate-blank (45) from which the connecting
plate (2) is made, is cut off from the extruded profile
(44) by sawing, laser cutting, water jet cutting or by a
burning out method.

13. Connecting plate according to any one of claims 9 to 12,

characterised in that

in cross-section the contour of the extruded profile (44)
5 and the contour of the connecting plate (2) are
congruent.

Translator's Note

In claim 8 the reference numeral "**44**" in line 23 is not correct for "connecting plate-blank", which is "**45**".